

FortiAP 5.4.0 Release Notes

VERSION 5.4.0

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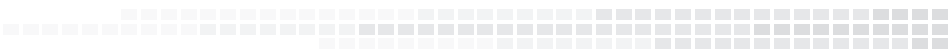


January 8, 2016

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20-540-304116-20160108

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Change Log

Date	Change Description
8 January, 2015	Initial release.

Introduction

This document provides the following information for FortiAP version 5.4.0:

- [Supported models](#)
- [What's new in FortiAP 5.4.0](#)
- [Upgrade Information](#)
- [Product Integration and Support](#)
- [Resolved Issues](#)

For more information on upgrading your FortiAP device, see the *Deploying Wireless Networks for FortiOS 5.4* guide in the [Fortinet Document Library](#).

Supported models

FortiAP version 5.4.0 supports the following models:

Model support

Model	Build
FAP-11C, FAP-14C, FAP-21D, FAP-24D, FAP-25D, FAP-112B, FAP-112D, FAP-221B, FAP-221C, FAP-222B, FAP-222C, FAP-223B, FAP-223C, FAP-224D, FAP-320B, FAP-320C, FAP-321C	0327

What's new in FortiAP 5.4.0

The following is a list of new features and enhancements in FortiAP version 5.4.0:

- DFS channels enabled for FAP-320C-S and FAP-321C-E models.
- Detection of WiFi client operating radio band.
- Updated MAC address OUI database.
- New options for multicast and broadcast suppression: suppression of all multicast and broadcast frames; mitigation of DHCP starvation and mitigation of ARP poisoning.
- New WIDS option: threshold of sending rate of de-authentication frames to unknown source for DoS attack.
- REST Push API for FortiPresence.
- FortiGate wireless controller support for controlling Telnet and HTTP access to FortiAP.
- Configuration of NAT and bridge modes from FortiCloud.
- Customization of IP address and subnet mask of NAT-mode standalone SSID from FortiCloud.
- LLDP support.
- Customization of 802.11a/b/g/n/ac data rates in VAP configuration.
- Dual Ethernet ports of FAP-112B, 112D, 320B, and 320C configurable to WAN-LAN mode.
- Opportunistic Key Caching (OKC) for WiFi client roaming in WPA2-Enterprise SSID.

- Protected Management Frames in SSID configuration.
- WiFi controller can set schedule in SSID for status control at the specified day and time.
- WiFi controller support for SSID VLAN pooling.
- WiFi controller support for RADIUS CoA and Disconnect Message ([RFC 5176](#)).
- WiFi controller can put multiple SSIDs in a SSID group for convenient SSID assignment.

Upgrade Information

Upgrading from FortiAP version 5.2.4 or later

FortiAP 5.4.0 supports upgrading from 5.2.4 or later

Downgrading to previous firmware versions

FortiAP 5.4.0 does not support downgrading to previous firmware versions.

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, <https://support.fortinet.com>. After logging in select *Download > Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

Product Integration and Support

FortiAP 5.4.0 support

The following table lists FortiAP version 5.4.0 product integration and support information.

FortiAP 5.4.0 support

Web Browsers	<ul style="list-style-type: none">• Microsoft Internet Explorer versions 10 and 11• Mozilla Firefox version 41• Google Chrome version 47• Safari 8 Other web browsers may function correctly, but are not supported by Fortinet.
FortiOS	5.4.0
FortiExplorer (Windows/MAC)	2.6.0 (model FAP-11C only)
FortiExplorer iOS	2.0.0 (models FAP-11C, 21D, 24D, 112D, 320B, and 320C only)

Resolved Issues

The following issues have been fixed in version 5.4.0. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
0281969	DHCP offer/ACK from FGT to VM when VM is bridged to wireless NIC will not be blocked by FAP.
0287540	After controller has set echo-interval to a large value, FAP maintains connection correctly.
0288179	5GHz radio no longer has stuck SSIDs when working as mesh leaf node.
0288490	Transmission power settings of FAP-320B-E and FAP-320C-E have been updated to match the CE/ETSI limits.
0288574	Kernel panic on 802.11ac FortiAPs when channel doesn't work with region code.
0299630	Javascript library used by FAP GUI is updated to resolve vulnerability issues.
286821	FAP Tx power can still be set correctly after wtp-profile has been changed two or more times.
0229214	Resolved an issue that would cause a 802.11ac Wlan interface's state to display as unknown.
0248968	Resolved an issue that caused leaf mesh disconnections over 5GHz channel-bonding 40MHz.
0249043	Resolved an issue that prevented the wireless mesh feature from working for 5GHz for the FAP-221C.
0251774	Resolved an issue that prevented a FortiAP from switching from 2.4Ghz to 5GHz

Known Issues

The following issues have been identified in version 5.4.0. For inquiries about a particular bug or to report a bug, please contact [Customer Service & Support](#).

Bug ID	Description
0275787	Clients with RTL8821AE 802.11ac PCIe Wireless Network Adapter causes a FAP-21D to experience a kernel panic and reboot every 5 minutes.
0276597	Wrong country code value is broadcast in beacon frame and also on GUI display for country code Korea.
0300081	FortiAPs may encounter high CPU usage intermittently after a FortiGate wireless controller pushes a local-authentication virtual AP (VAP) configuration to them.
0236312	Split-tunneling SSIDs do not support VLANs.
0245323	Spectrum analysis may result in high CPU usage on some FortiAP models including the FAP-221B, FAP-223B, and FAP-221C.
0297079	FortiAPs will drop LLDP packets sent by a CISCO switch when the native VLAN is changed to a value other than 1.
0301726	Sniffer mode does not work on 802.11ac radios. Sniffer will be stuck in INIT(0) state and no packets will be captured.
0300277	If you disable local-standalone in a virtual AP (VAP) the updated configuration is incorrectly pushed to the FortiAP resulting in NAT mode being enabled when it should be disabled.



High Performance Network Security



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